Supplementary Fig. S4

A. 1 2 3 4
PR-B PR-A Cre Erk

B. Uterine epithelia from PtenloxP/loxp mice isolated by FACS and infected with Cre-RFP to delete the PTEN gene
Uterine stoma from PRloxP/loxp mice infected in short-term culture with Cre-GFP to delete the PR gene were FACS sorted to isolate infected stroma

Cell populations were combined and regenerated to produce PTENKO tumor with PR deleted selectively in the tumor stroma

C. WT PR in stroma
Progesterone
Placebo

PR deleted in stroma
Progesterone
Placebo

Ki67

% Ki67 positive Epithelia
GFP GFP Cre-GFP Cre-GFP
Placebo Progesterone Placebo Progesterone

P < 0.01

D. Inducible Cre-shPTEN-GFP

1 2 3
PTEN

1 Uninfected 3T3
2 3T3+ inducible Cre-shPTEN-GFP (no Dox)
3 3T3 + inducible Cre-shPTEN-GFP + Dox

Uterine from WT neonatal mouse
Combine and Regenerate 6 weeks
Tumor established under kidney capsule
Treatment started
Therapy
Harvest treated grafts

Uteri from WT or Placebo
PR+/lox with knockdown of PTEN and inducible Cre expression

PTEN knockdown with WT PR in Epithelium

PTEN knockdown with PR deleted in Epithelium

a b c d e f g h i j k l m n o p